

## **ABSTRACT OF THE DISCLOSURE**

An aluminum based material includes the elements of scandium (Sc), silicon (Si), magnesium (Mg), zirconium (Zr), copper (Cu), and aluminum (Al). Thus, the aluminum based material can be used to make a heatsink plate having a heatsink effect of 20%, so that the aluminum based material has a greater conductivity and heatsink effect. In addition, the aluminum crystal has a fined size smaller than 0.1 nanometer (0.1nm), thereby facilitating the later working process, so that the aluminum based material can be worked easily and conveniently.